

Polyram PlusTek RA303G3 Nylon 66 for Injection Molding, 15% Glass Fiber Reinforced, Heat Stabilized, Hydrolysis Resistant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

15% Glass fiber reinforced, heat stabilized and hydrolysis resistant Nylon 66 for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-RA303G3-Nylon-66-for-Injection-Molding-15-Glass-Fiber-Reinforced-Heat-Stabilized-Hydrolysis-Resistant.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Water Absorption at Saturation	0.0090 %	0.0090 %	ISO 62
Linear Mold Shrinkage	0.0040 - 0.0050 cm/cm	0.0040 - 0.0050 in/in	ISO 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 100 MPa	>= 14500 psi	ISO 527
Elongation at Break	>= 3.0 %	>= 3.0 %	ISO 527
Flexural Strength	>= 155 MPa	>= 22500 psi	ISO 178
Flexural Modulus	>= 4.00 GPa	>= 580 ksi	ISO 178
Izod Impact, Notched (ISO)	>= 4.50 kJ/m ²	>= 2.14 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	>= 200 °C	>= 392 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	>= 180 °C	>= 356 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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